Index of Claims

| Applica | tion/Control | No. |
|---------|--------------|-----|
| , .P P  |              |     |

10/672,489

DENG ET AL.

Applicant(s)/Patent under Reexamination

Examiner

Art Unit

David Guzo

1636

| √  | Rejected |
|----|----------|
| II | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| 2 | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim      | Date     |  |                 |          |          | 7:::     | Claim Date |               |          |                           |          | CI              | aim      | Date     |                                    |          |          |                |            |          |          |                 |          |          |          |          |          |          |          |
|--|----------|----------|--|-----------------|----------|----------|----------|------------|---------------|----------|---------------------------|----------|-----------------|----------|----------|------------------------------------|----------|----------|----------------|------------|----------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|
|  |          | 19/50    |  |                 |          | П        |          |            |               |          |                           | =        | П               |          |          |                                    |          |          |                |            |          |          |                 |          |          |          |          | П        |          |          |
| Final  | Original | 9        |  |                 |          |          |          |            |               |          | Final                     | Original |                 | ı        |          |                                    |          |          |                | Final      | Original |          |                 |          |          |          |          |          |          |          |
| i E  | <u>ğ</u> | 66       |  | 1 1             |          |          |          |            |               |          | 走                         | Ē        |                 |          |          |                                    |          |          |                | i <u>.</u> | rig      | İ        |                 |          |          |          |          |          | ı        |          |
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|  | 1        | ÷        |  |                 |          | П        |          |            |               | 7        |                           | 51       | П               | 寸        | $\neg$   | 1                                  |          | 十        |                |            | 101      |          | П               |          |          |          |          |          | コ        | $\neg$   |
|  | 2        | ī        | Т  | $\Box$          | П        |          |          | $\neg$     | $\neg$        | 7        |                           | 52       |                 | 一        |          |                                    |          | $\neg$   |                |            | 102      | $\vdash$ | П               |          |          |          |          |          | $\neg$   | $\neg$   |
|  | 3        | П        |  | П               | П        |          | _        | ヿ          | $\neg$        | 788      |                           | 53       |                 | $\neg$   | _        | T                                  |          | $\neg$   |                |            | 103      |          |                 |          |          |          |          |          | 一        | _        |
|  | 4        | Π        | Г  | Ħ               | П        |          |          |            |               | ┦        |                           | 54       |                 | $\neg$   | $\neg$   | 1                                  | $\neg$   |          | $\neg$         |            | 104      |          | П               |          |          |          |          |          | _        | $\neg$   |
|  | 5        | $\sqcap$ |  |                 |          | Ħ        |          |            |               | 7        |                           | 55       | П               | $\neg$   | $\top$   | T                                  |          | $\top$   |                |            | 105      |          | П               |          |          |          |          |          | $\dashv$ | _        |
|  | 6        | П        |  |                 |          |          |          | _          |               | 788      |                           | 56       |                 | 一        |          | $\top$                             |          | $\neg$   |                |            | 106      |          |                 |          |          |          | Н        | $\neg$   | 一        |          |
|  | 7        | 1        | -  |                 | -        | П        | 一        |            | $\neg \vdash$ | -        |                           | 57       |                 |          |          | 1                                  | $\dashv$ | 1        |                |            | 107      |          |                 |          |          | _        | Н        | $\dashv$ | 一        | _        |
|  | 8        | H        | $\vdash$   | П               | Н        |          | ┪        |            | _             | -        |                           | 58       | H               | $\dashv$ | 十        | +                                  | $\neg$   |          |                |            | 108      | _        | Н               |          |          |          | Н        |          | $\dashv$ | _        |
|  | 9        | H        |  | H               |          |          | 一        | 1          | _             | 7        |                           | 59       |                 | _        | +        | +                                  | $\neg$   | +        |                |            | 109      | _        | H               |          | Н        |          | Н        | $\dashv$ | $\dashv$ |          |
|  | 10       | Н        |  | П               | Н        | $\dashv$ | 7        | ┪          | $\dashv$      | -        |                           | 60       | $\vdash$        | 十        |          | 1                                  | $\dashv$ |          |                |            | 110      |          | Н               | $\dashv$ | $\vdash$ | _        | Н        | $\pm$    | $\dashv$ |          |
|  | 11       | ╫        | ┢  | Н               | $\vdash$ | $\vdash$ | $\dashv$ |            | -             | ٦        |                           | 61       | $\vdash \vdash$ | $\dashv$ |          | +                                  | $\dashv$ | +        |                |            | 111      | -        | $\vdash$        | $\vdash$ | $\vdash$ | _        | Н        |          | $\dashv$ | _        |
| $\vdash$   | 12       | H        | <del>                                     </del> | $\vdash$        | Н        | $\vdash$ |          | $\dashv$   | +             | $\dashv$ |                           | 62       | $\vdash$        | $\dashv$ | $\dashv$ | +                                  | -        | +        | +              |            | 112      | -        | $\vdash \vdash$ | $\vdash$ | Н        | -        | Н        | $\dashv$ | -        |          |
| <del>                                     </del> | 13       | H        | $\vdash$   | -               | $\vdash$ | $\vdash$ | -        | +          | $\dashv$      | -        | -                         | 63       | $\vdash \dashv$ | $\dashv$ | $\dashv$ | +-                                 | $\dashv$ | +        | +              |            | 113      | -        | Н               | $\vdash$ | Н        |          | $\vdash$ | -        | $\dashv$ |          |
| <del>                                     </del> | 14       | ╫        | $\vdash$   | $\vdash$        | $\vdash$ | $\vdash$ | +        | $\dashv$   | +             | ۱        | $\vdash$                  | 64       | ╌┥              | $\dashv$ | +        | +-                                 | $\dashv$ | +        |                |            | 114      |          | $\vdash$        | $\vdash$ | $\vdash$ | $\vdash$ | Н        | $\vdash$ | $\dashv$ | _        |
| $\vdash$   | 15       | =        | <del> </del>                                     | $\vdash$        | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$   | $\dashv$      | ۱        | -                         | 65       | $\vdash$        | $\dashv$ | +-       | +-                                 | $\dashv$ | +        | +              |            | 115      |          | $\vdash$        | $\vdash$ | $\vdash$ |          | Н        | $\dashv$ | $\dashv$ | —        |
| <del> </del>                                     | 16       | ۰        | -  |                 | -        | -        | -        | +          |               | ┧Ш       |                           | 66       | Н               | -+       | +        |                                    | $\dashv$ | +        | +-             |            | 116      | _        | -               | Н        | -        |          | Н        | $\dashv$ |          | $\dashv$ |
| <del>                                     </del> | 17       |          | _  | $\vdash$        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$      | ┨║       | -                         | 67       | $\vdash$        | $\dashv$ |          | +                                  | +        | +        | +-             |            | 117      | $\vdash$ | $\vdash$        | $\vdash$ | -        |          | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$   | 18       | _        | -  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$      | ┨Ш       | -                         | 68       | $\vdash$        | -+       |          | $\vdash$                           | -+       |          | -              |            | 118      |          | Н               | Н        | $\dashv$ | _        | Н        |          | $\dashv$ | -        |
|  | 19       |          | ⊢  | H               |          | $\dashv$ | $\dashv$ | $\dashv$   | +             | -        | -                         | 69       | Н               | $\dashv$ | +        | +                                  | $\dashv$ | +        | +              |            | 119      | -        | $\dashv$        |          |          | _        |          | $\dashv$ | $\dashv$ |          |
|  | 20       |          |  | H               | H        | $\dashv$ | +        | -          | +             | -        | <u> </u>                  | 70       | $\vdash$        | $\dashv$ | +        | +                                  | -        |          |                |            | 120      |          | $\vdash$        | $\vdash$ |          |          | -        | $\dashv$ | -        | ᅴ        |
|  | 21       | -        |  |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | +             | - !!!    | -                         | 71       | $\vdash$        | $\dashv$ | ╅        | +                                  | $\dashv$ | +        | +              |            | 121      |          | $\dashv$        | Н        |          | -        | -        | -+       | $\dashv$ | 긕        |
| <del> </del>                                     | 22       | $\vdash$ | _  | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$   | +             | -        | $\vdash$                  | 72       | -               | -        | +        | +                                  | +        | $\dashv$ | +              |            | 122      |          | $\vdash$        | $\vdash$ | $\dashv$ |          | -        | $\dashv$ |          | $\dashv$ |
| _  | 23       | -        |  | $\vdash$        | $\dashv$ | -        | $\dashv$ | $\dashv$   | +             | -        |                           | 73       | $\vdash$        | +        | +        | +                                  | -+       |          | +-             |            | 123      | $\vdash$ | Н               |          |          | _        | Н        | $\dashv$ |          | $\dashv$ |
| _  | 24       |          | _  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | -          |               | - :::    |                           | 74       |                 | $\dashv$ | ╬        | +                                  | -        |          | -              |            | 124      |          | $\dashv$        |          |          | _        | $\vdash$ | $\dashv$ | $\dashv$ | ᅱ        |
| <u> </u>   | 25       | _        | _  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | -          |               |          |                           | 75       | $\vdash$        | $\dashv$ | +        |                                    |          |          | +              |            |          |          | $\dashv$        |          | -        | -        | -1       |          | 4        | 괵        |
| _  | 26       | _        | _  |                 |          | $\dashv$ | -        | $\dashv$   |               | -        |                           | 76       | $\vdash$        | +        | +        | +                                  | -        |          |                |            | 125      | _        | $\dashv$        | -        |          |          | -        | -+       | 4        | $\dashv$ |
| <u> </u>   | 27       | _        | -  | -               | $\dashv$ | -        | -        | -+         | -+            | -        |                           | 77       | $\vdash$        | +        | +        |                                    | +        | -        | +              |            | 126      |          | $\dashv$        | -        |          | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 28       |          | _  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | +             | -        |                           |          |                 | -+       | +        | +                                  | $\dashv$ |          | $\dashv$       |            | 127      | -        | $\dashv$        | -        | -        | _        | $\dashv$ | $\dashv$ | -        | $\dashv$ |
|  |          | -        |  | $\vdash$        | $\vdash$ |          | -        | -          | -             |          |                           | 78       |                 | -        | -        | ╁╌┤                                | -        |          | $\dashv$       |            | 128      |          | $\dashv$        |          | _        |          | $\dashv$ | -        | -        | ᅱ        |
| <u> </u>   | 29       |          |  | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   |               | -        | <b> </b>                  | 79       |                 | -        | +        | +                                  |          |          | $\dashv\dashv$ |            | 129      |          | $\dashv$        |          | _        | _        | Ш        | -        | $\dashv$ | -4       |
|  | 30       |          | _  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | +             | -        |                           | 80       |                 | -        | +        | $\vdash$                           | +        |          | -              |            | 130      |          | $\vdash$        | $\dashv$ |          | _        |          | $\dashv$ |          | _        |
|  | 31       |          |  | Н               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   | +             | -        | <u> </u>                  | 81       | $\vdash$        |          | +        | $\vdash$                           | $\dashv$ | +        | +              |            | 131      | $\Box$   | $\vdash$        |          | _        |          |          | _        | $\dashv$ | 4        |
|  | 32       |          |  | Н               | $\dashv$ | -        | $\dashv$ | -          | $\dashv$      | -        |                           | 82       | -               |          |          | $\vdash$                           |          |          |                |            | 132      |          | $\dashv$        |          |          | _        |          | -        | -        | _        |
| $\vdash$   | 33       |          |  | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -+         | -             | -        | $\vdash \vdash$           | 83       | $\vdash$        | $\dashv$ | - -      | -                                  | -        | +        | ┥┥             |            | 133      | -        | $\dashv$        |          | _        | _        |          | -        |          |          |
|  | 34<br>35 | _        | _  | $\vdash$        | -1       |          |          | -+         |               | -        | <b> </b>                  | 84       | $\dashv$        | $\dashv$ |          | -                                  | $\dashv$ | -        | +              |            | 134      | _        |                 | $\dashv$ | _        | 1        |          | $\dashv$ | $\dashv$ | _        |
|  |          | _        |  | $\vdash \mid$   | $\dashv$ | -+       | $\dashv$ |            | -             | -        | $\vdash \vdash$           | 85       |                 | $\dashv$ | +        | +                                  | $\dashv$ | +        | +              |            | 135      | -        |                 |          | _        | _        |          | -        |          |          |
|  | 36       | _        | _  | $\vdash \vdash$ |          | -+       | -        | -          | +             | 4        | $\vdash \vdash$           | 86       | $\vdash$        | +        | +        | +                                  | $\dashv$ | +        | +              |            | 136      | $\dashv$ |                 |          | _        | 4        |          | -        | _        | _        |
|  | 37       |          |  | $\vdash$        |          | -+       |          | -+         | -             | -        | $\vdash \vdash \vdash$    | 87       |                 | -        | -        | +                                  | 4        | +        | 44             |            | 137      | $\Box$   | $\vdash$        |          |          | 4        |          | _        | _        | _        |
|  | 38       |          |  | $\vdash$        |          | -        | -        | $\dashv$   | -             | - :::    |                           | 88       | $\vdash$        | $\dashv$ |          | +                                  | $\dashv$ | +        |                |            | 138      |          |                 | -        | _        | -        |          | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$   | 39       |          |  | $\vdash$        | -        | $\dashv$ |          | +          | +             | -        |                           | 89       |                 | -        |          | -                                  | $\dashv$ | -        | +              | -          | 139      | $\dashv$ |                 |          | _        | _        |          | _        | _        | _        |
|  | 40       | _        |  | $\vdash$        | -        | $\dashv$ | -        | $\dashv$   | +             | -        | Ш                         | 90       | $\dashv$        | +        | $\dashv$ | -                                  | $\dashv$ | +        | +              |            | 140      | _        |                 |          |          | _        | _        | $\dashv$ | _        | _        |
|  | 41       |          |  | $\vdash \vdash$ | -        | $\dashv$ | -        | $\dashv$   | -             | -        | $\vdash$                  | 91       | $\dashv$        | +        |          | +                                  | -        | -        | +              |            | 141      |          | _               |          |          | _        | _        | -        | 4        |          |
|  | 42       | -        | _  | $\vdash \vdash$ | -        |          |          | +          |               | -        | <u> </u>                  | 92       |                 | $\dashv$ |          | $\vdash$                           | -        | +        | 44             |            | 142      |          | _               | _        | _        | _        |          | $\dashv$ |          | $\dashv$ |
|  | 43       |          |  | $\vdash \vdash$ | $\dashv$ | $\dashv$ | -        | $\dashv$   |               | - :::    |                           | 93       | $\dashv$        | 4        |          |                                    | -        | - -      | +              |            | 143      | _        | $\dashv$        | _        | _        | _        |          | _        | 4        | _        |
|  | 44       |          |  | $\vdash$        | $\dashv$ | 4        | -        | 4          |               | 4        |                           | 94       | <b>_</b>        | _        |          | <b>∤-</b>                          | _        | _ _      | 44             |            | 144      |          | $\perp$         |          | _        | _        |          | _        | _        | _        |
|  | 45       |          |  | $\sqcup$        | $\dashv$ | $\dashv$ |          | _          |               | 4        | $\sqsubseteq \sqsubseteq$ | 95       | _               | 4        |          | $\sqcup$                           | _        | 4-       | 44             |            | 145      | _        | $\Box$          | _        |          | _        | $\Box$   | _        | _        |          |
|  | 46       |          |  | $\sqcup$        | $\dashv$ | _        | _        | _          | _             | _        |                           | 96       |                 | 4        |          | $\sqcup$                           | $\dashv$ | _        | 44             |            | 146      |          | $\perp$         |          |          | ļ        | ļ        | $\perp$  |          | $\Box$   |
|  | 47       |          |  | Щ               |          | 4        | _        | _          |               | _        | $\vdash$                  | 97       | _               |          | _        | $\perp \perp$                      | _        | $\perp$  | +              |            | 147      |          |                 | _        |          | _        | _        | _        |          |          |
|  | 48       |          |  |                 | _        | $\perp$  |          |            | _             | _        | $\square$                 | 98       | $\dashv$        | $\perp$  |          | $\downarrow \downarrow \downarrow$ |          | $\perp$  | 44             |            | 148      |          |                 | _        |          |          |          | $\perp$  | $\dashv$ |          |
|  | 49       |          |  |                 | _        |          | _ .      | $\perp$    | $\bot$        | _        |                           | 99       | $\dashv$        | $\perp$  | $\perp$  | $\sqcup$                           | $\dashv$ |          | $\perp \perp$  | <br>       | 149      |          | $\sqcup$        |          |          | $\sqcup$ |          | $\Box$   | $\perp$  |          |
|  | 50       |          |  | l [             | [        | [        |          |            | - 1           | ::::     | ı T                       | 100      | ſ               | - 1      |          | $\mathbf{I}$                       | - [      |          |                |            | 150      | T        |                 |          |          |          |          | T        | Т        |          |